one sensor whose measuring signal is dependent on the loading to which the combine harvester is subjected by the crop but which is independent of the setting of the cleaning mechanism, wherein the setting of the sieve opening width is effected automatically in dependence on the measuring signal from the sensor.

Please substitute Claim 3 with the following amended Claim 3:

3. (Once Amended) A device on a combine harvester as in claim 1, wherein the sensor detects the amount of straw in a feeder housing of the combine harvester.

Please substitute Claim 16 with the following amended Claim 16:

16. (Once Amended) A device on a combine harvester incorporating a cleaning mechanism which comprises a sieve device having opening widths and including a sieve for cleaning a crop produced by a threshing and separating mechanisms, an adjustable fan for forcing a blast of air through the sieve device, means for adjusting at least one of the opening widths of the sieve device and the fan speed, and a sensor having a measuring signal dependent on the loading to which the combine harvester is subjected by the crop but which is independent of the setting of the cleaning mechanism, wherein the setting of the sieve opening width is effected automatically in dependence on the measuring signal from the sensor.

Please substitute Claim 17 with the following amended Claim 17:

17. (Once Amended) A combine harvester incorporating a cleaning mechanism which comprises a sieve for cleaning the crop produced by a threshing and separating mechanisms, a fan for forcing a blast of air through the sieve device, an adjusting member for automatically adjusting the opening widths of the sieve device, at least one sensor having a test signal which is a measure of the loading to which the cleaning mechanism is subjected, whereby the adjusting of the sieve opening width is effected automatically only in dependence on the test signal from the sensor.